

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 59-151244

(43)Date of publication of application : 29.08.1984

(51)Int.Cl.

G06F 11/00

(21)Application number : 58-027138

(71)Applicant : MITSUBISHI ELECTRIC CORP

(22)Date of filing : 17.02.1983

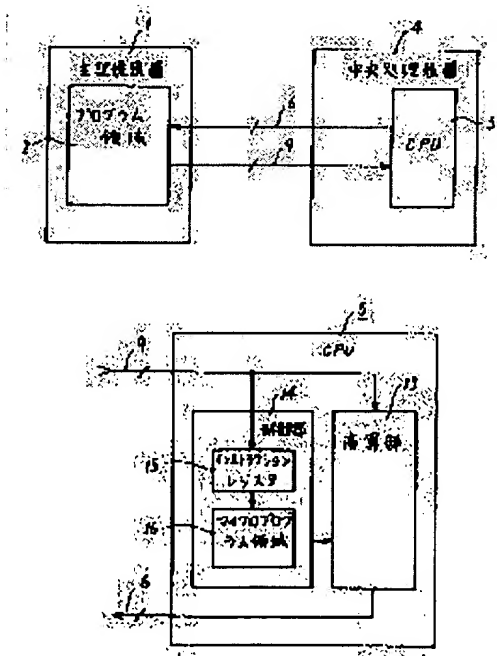
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(54) DETECTION FOR TROUBLE OF COMPUTER INSTRUCTION CODE

(57)Abstract:

PURPOSE: To detect trouble without adding trouble detecting hardware by setting distances to all instruction codes.

CONSTITUTION: When an instruction code is transferred from a main storage device 1, it is latched in an instruction register 15 of a CPU5 from a program area 2 through an input bus 9. The control is jumped to an instruction processing area in accordance with a jump instruction in an instruction code allocation area of a program area 16. At this time, if the instruction code is normal, the control is jumped to an instruction execution area to perform a corresponding processing. If an error occurs in the instruction code, the control is jumped to a wrong instruction processing area to perform an instruction code reloading processing. If several instruction code errors are detected continuously, the error is detected as permanent trouble of the instruction code, namely, the trouble of a main storage device 1.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of

rejection]

[Kind of final disposal of application other than
the examiner's decision of rejection or
application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's
decision of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

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